Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Applicants request reconsideration of the claims.

Please enter the following amended paragraphs to the Specification:

[0003] It is well established in the literature of finance that the internal rate of return (IRR) of an investment is calculated by IRR = r where

$$\left[\left[\sum_{i=1}^{n} \frac{CF_i}{(1+r)^n} = 0 \right] \right]$$

$$\sum_{i=0}^{n} \frac{CF_i}{\left(1+r\right)^i} = 0$$

[0004] It is also common knowledge in the finance industry and literature that the discount rate for actual IRR (r) and the discount rate for pro forma IRR (r_{pf}) are the same when all cash flows of an investment are multiplied by a constant k:

$$r = r_{pf} \text{ where} \left[\left[\sum_{i=1}^{n} \frac{kCF_i}{(1 + r_{pf})^n} = 0 \right] \right]$$

$$\sum_{i=0}^{n} \frac{kCF_i}{\left(1 + r_{pf}\right)^i} = 0$$

[0007] Another technical definition of IRR is the discount rate required to make the positive cash flows (*PCF*) resulting from the investment equal to the negative cash flows (*NCF*) expended in acquiring the investment:

$$\left[\left[\sum_{i=1}^{n} \frac{NCF_{i}}{(1+r)^{n}} = \sum_{i=1}^{n} \frac{PCF_{i}}{(1+r)^{n}} \right] \right]$$

$$\sum_{i=0}^{n} \frac{NCF_{i}}{(1+r)^{i}} = \sum_{i=0}^{n} \frac{PCF_{i}}{(1+r)^{i}}$$

[0008] It is therefore mathematically obvious that

$$\left[\left[\sum_{i=1}^{n} \frac{kNCF_{i}}{\left(1+r\right)^{n}} = \sum_{i=1}^{n} \frac{kPCF_{i}}{\left(1+r\right)^{n}} \right] \right]$$

$$\sum_{i=0}^{n} \frac{kNCF_{i}}{(1+r)^{i}} = \sum_{i=0}^{n} \frac{kPCF_{i}}{(1+r)^{i}}$$

[00017] In a diversified portfolio setting, although the IRR of each investment is unchanged when all its cash flows are multiplied by a constant, multiplying or dividing each of the i period cash flows of each of j investments in a portfolio of m investments by a scaling factor f_s changes the IRR of the portfolio to a constant value $\frac{IRRk}{IRRk}$ while leaving the IRR[[;]] of each investment unchanged. Thus,

$$IRR_k = r_{pf} \text{ where } \left[\left[\sum_{i=1}^n \frac{\sum_{j=1}^m f_s CF_{i,j}}{(1+r_{pf})^n} = 0 \text{ and } f_s = \frac{k}{\sum_{i=1}^n NCF_j} \right] \right]$$

$$\sum_{i=0}^{n} \frac{\sum_{j=1}^{m} f_{j} C F_{i-i_{0}, j}}{\left(1 + r_{pf}\right)^{i-i_{0}}} = 0 \text{ and } f_{j} = \frac{k}{\sum_{i=0}^{n} N C F_{i, j}}$$

3

[00026] II. As mentioned in the Background Section above, the so-called time zero time-zero IRR calculation restates all the investments in a portfolio to a common start date. The portfolio effect is to eliminate the relative timing of each of the investments in determining portfolio IRR. For example, using the same investment figures as the *Actual* numerical example above:

629438_1.DOC

4

Please enter the following amended claims.

- 1. (currently amended) A process for evaluating performance attribution determining a numerical value of a manager's performance in a private portfolio comprising:
- (a) determining an internal rate of return for the private portfolio by scaling the portfolio to a neutral weight portfolio with a common start date that is the earliest start date in the portfolio;
- (b) determining an internal rate of return for the private portfolio with actual investment weights with a common start date that is the earliest start date in the portfolio;
- (c) determining an internal rate of return for the private portfolio scaled to a neutral weight with actual start dates;
- (d) determining an internal rate of return for the private portfolio with actual weights and actual start dates;
- (e) algebraically combining the returns internal rates of return of steps (a) (c) to determine a manager's return; and
- (f) subtracting the manager's return from the <u>a</u> portfolio index to determine performance attribution <u>produce a numerical value of the manager's performance</u>.

wherein the portfolio index is the internal rate of return of a neutral-weight portfolio with zero-based start date.

- 2. (currently amended) A computer system for evaluating performance attribution determining a numerical value of a manager's performance in a private portfolio comprising:
- (a) means for determining an internal rate of return for the private portfolio by scaling the portfolio to a neutral weight portfolio with a common start date that is the earliest start date in the portfolio;
- (b) means for determining an internal rate of return for the private portfolio with actual investment weights with a common start date that is the earliest start date in the portfolio;
- (c) means for determining an internal rate of return for the private portfolio scaled to a neutral weight with actual start dates;
- (d) means for determining an internal rate of return for the private portfolio with actual weights and actual start dates;

- (e) means for algebraically combining the returns of steps (a) (c) to determine a manager's return; and
- (f) means for subtracting the manager's return from the <u>a</u> portfolio index to determine performance attribution produce a numerical value of the manager's performance,

wherein the portfolio index is the internal rate of return of a neutral-weight portfolio with zero-based start date.

- 3. (currently amended) A computer system adapted to evaluate performance attribution for determining a numerical value of a manager's performance in a private portfolio comprising:
 - a processor and
- a memory including software instructions adapted to enable the computer system to perform:
- (a) determining an internal rate of return for the private portfolio by scaling the portfolio to a neutral weight portfolio with a common start date that is the earliest start date in the portfolio;
- (b) determining an internal rate of return for the private portfolio with actual investment weights with a common start date that is the earliest start date in the portfolio;
- (c) determining an internal rate of return for the private portfolio scaled to a neutral weight with actual start dates;
- (d) determining an internal rate of return for the private portfolio with actual weights and actual start dates;
- (e) algebraically combining the returns of steps (a) (c) to determine a manager's return; and
- (f) subtracting the manager's return from the <u>a</u> portfolio index to determine performance attribution produce a numerical value of the manager's performance,

wherein the portfolio index is the internal rate of return of a neutral-weight portfolio with zero-based start date.

6